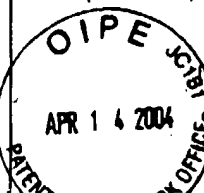


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2.32) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MONS:038US REN-00-091	SERIAL NO. 09/688,069
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		FILING DATE October 12, 2000	
		GROUP 1638	

### "RELATED" U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RK	A	2002/0069426	06 June 02	Boronat et al.			
	A	2002/0108148	08 Aug 02	Boronat et al.			
	A	2003/0148300	07 Aug 03	Valentin et al.			
	A	2003/0150015	07 Aug 03	Norris et al.			
	A	2003/0154513	14 Aug 03	van Eenennaam et al.			
	A	2003/0166205	04 Sep 03	van Eenennaam et al.			
	A	2003/0170833	11 Sep 03	Lassner et al.			
	A	2003/0176675	18 Sep 03	Valentin et al.			
	A	2003/0213017	13 Nov 03	Valentin et al.			
	A	2004/0018602	29 Jan 04	Lassner et al.			
RK	A	2004/0045051	04 Mar 04	Norris et al.			

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RK	A	4,727,219	23 Feb 88	Brar et al.			
	A	5,304,478	19 Apr 94	Bird et al.			
	A	5,429,939	04 Jul 95	Misawa et al.			
	A	5,432,069	11 Jul 95	Grüninger et al.			
	A	5,618,988	08 Apr 97	Hauptmann et al.			
	A	5,684,238	04 Nov 97	Ausich et al.			
	A	5,750,865	12 Mar 98	Bird et al.			
	A	5,792,903	11 Aug 98	Hirschberg et al.			
	A	5,908,940	01 Jun 99	Lane et al.			
	A	6,281,017	28 Aug 01	Croteau et al.			
	A	6,303,365	16 Oct 01	Martin et al.			
RK	A	6,541,259	01 Apr 03	Lassner et al.			

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Examiner


*Russell Kelly*

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*8/12/2004*

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### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
RK	B	2,339,519	17 Feb 00	Canada			Eng Version of WO 00/08169
	B	2,343,919	30 Mar 00	Canada			Eng Version of WO 00/17233
	B	2,372,332	02 Nov 00	Canada			Eng Version of WO 00/65036
	B	0 723 017 A2	24 Jul 96	EPO			
	B	2 778 527		FR			YES
	B	DE 198 35 219 A1	05 Aug 98	German/English			YES=CA2339519
	B	WO 00/08169	17 Feb 00	PCT			YES=CA2339519
	B	WO 00/08187	17 Feb 00	PCT			
	B	WO 00/10380	02 Mar 00	PCT			
	B	WO 00/11165	02 Mar 00	PCT			
	B	WO 00/17233	30 Mar 00	PCT			YES=CA2343919
	B	WO 00/28005	18 May 00	PCT			
	B	WO 00/32757 A2 & A3	08 Jun 00	PCT			
	B	WO 00/34448	15 Jun 00	PCT			YES
	B	WO 00/42205 A2 & A3	20 Jul 00	PCT			
	B	WO 00/46346	10 Aug 00	PCT			YES
	B	WO 00/63389	26 Oct 00	PCT			
	B	WO 00/65036 A2 & A3	02 Nov 00	PCT			YES CA 2372332
	B	WO 01/04330	18 Jan 01	PCT			
	B	WO 01/09341	08 Feb 01	PCT			
	B	WO 01/12827	22 Feb 01	PCT			
	B	WO 01/21650	29 Mar 01	PCT			
	B	WO 01/44276	21 Jun 01	PCT			
	B	WO 01/62781	30 Aug 01	PCT			Partial
RK	B	WO 01/79472	25 Oct 01	PCT			

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*Russell Kallis*

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09/688,069

APPLICANT

SUBRAMANIAM et al.

FILING DATE

October 12, 2000

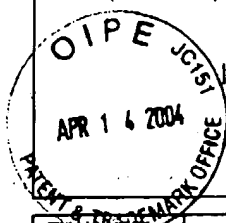
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RR	B	WO 01/88169 A2 & A3	22 Nov 01	PCT			
	B	WO 02/00901 A1	03 Jan 02	PCT			YES
	B	WO 02/26933	04 Apr 02	PCT			
	B	WO 02/29022	11 Apr 02	PCT			
	B	WO 02/31173	18 Apr 02	PCT			YES
	B	WO 02/33060	25 Apr 02	PCT			
	B	WO 02/46441	13 Jun 02	PCT			
	B	WO 02/072848	19 Sep 02	PCT			
	B	WO 02/089561	14 Nov 02	PCT			
	B	WO 03/034812	01 May 03	PCT			
	B	WO 03/047547	12 Jun 03	PCT			
	B	WO 91/02059	21 Feb 91	PCT			
	B	WO 91/09128	27 Jun 91	PCT			
	B	WO 91/13078	05 Sep 91	PCT			
	B	WO 93/18158	16 Sep 93	PCT			
	B	WO 94/11516	26 May 94	PCT			
	B	WO 94/12014	09 Jun 94	PCT			
	B	WO 94/18337	18 Aug 94	PCT			
	B	WO 95/08914	06 Apr 95	PCT			
	B	WO 95/18220	06 Jul 95	PCT			Abstract
	B	WO 95/23863	08 Sep 95	PCT			
	B	WO 95/34668	21 Dec 95	PCT			
	B	WO 96/02650	01 Feb 96	PCT			
	B	WO 96/06172	29 Feb 96	PCT			
	B	WO 96/13149	09 May 96	PCT			
	B	WO 96/13159	09 May 96	PCT			
	B	WO 96/36717 A2 & A3	21 Nov 96	PCT			
	B	WO 96/38567	05 Dec 96	PCT			US equivalent
RR	B	WO 97/17447	15 May 97	PCT			

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Examiner

*Russell Galli*

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RK	B	WO 97/49816	31 Dec 97	PCT			
	B	WO 98/04685	05 Feb 98	PCT			
	B	WO 98/18910	07 May 98	PCT			
	B	WO 99/04021	28 Jan 99	PCT			
	B	WO 99/04622	04 Feb 99	PCT			
	B	WO 99/11757	11 Mar 99	PCT			YES
	B	WO 99/19460	22 Apr 99	PCT			
	B	WO 99/55889	04 Nov 99	PCT			
RK	B	WO 99/58649	18 Nov 99	PCT			

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

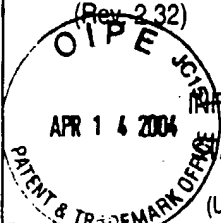
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RK	c	BREITENBACH <i>et al.</i> , "Expression in <i>Escherichia coli</i> and properties of the carotene ketolase from <i>Haematococcus pluvialis</i> ," FEMS Microbiology Letters 140, 241-246 (1996)
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Russell Kallis

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*Russell Kallis*

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT SUBRAMANIAM et al.	
		FILING DATE October 12, 2000	GROUP 1638

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	FILING DATE October 12, 2000		GROUP 1638

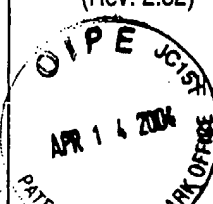
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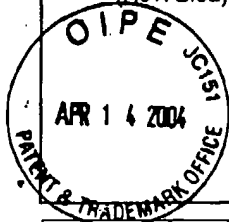
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c	International Search Report, PCT/US01/12334, pp. 1-5 (April 5, 2002)
c	International Search Report, PCT/US01/24335, pp. 1-8 (March 6, 2003)
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c	Written Opinion, PCT/US02/34079, pp. 1-4 (October 23, 2003)
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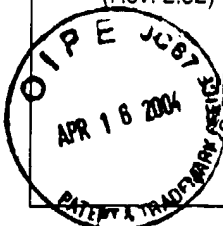
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### U.S. PATENT DOCUMENTS

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### FOREIGN PATENT DOCUMENTS

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\* References were previously cited by the Applicant or by the Examiner and thus copies of these references are not being resubmitted with this statement. Copies of the prior PTO-1449 and -892 forms are enclosed herein. See 37 C.F.R. §1.98(d).

Examiner <i>Russell Kallin</i>	Date Considered <i>8/12/2004</i>
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**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])